-004<u>@</u>\$|R00180041000 1 April 1955 25X1A8a in triplicate with process sheet attached) ORIG-GRAPHICS; DUPL-CASE FILE; TRIPL-SOURCE FILE; QUAD-FO RECORD GIFT XXX LOAN Ecuador SUBJECT Topographic NUMBER OF ITEMS AND CATEGORY (Still photographs, negatives, or slides) 61 Kodachromes 25X1X6 DATE OF EXPOSUR CHECK CLASSIFICATION OF PHOTOGRAPHS WHEN SEPARATED FROM THIS FORM. (The classification need not be the same.) Tu. s. OFFICIALS ONLY CIA OFFICIALS ONLY SECRET XXX CONFIDENTIAL TUNCLASSIFIED 25X1X6 IS SOURCE APT TO MAKE ADDITIONAL PHOTOGRAPHIC MATERIAL AVAILABLE? xx Not in near future MAY SOURCE'S NAME BE REVEALED TO GRAPHICS REGISTER, OCD, IF REQUIRED? Yes DESCRIPTION OF MATERIAL 25X1X6 if altitudes are important for various of the landmarks mentioned in the annotations, reference be made to Altitudes de la Republica del Ecuador, Recopiladas, Arregladas y Editadas, por Luciano Andrade Marin, 1931, or subsequent edition CIA-178934-178966 25X1A2q RS USE ONLY ATE FORWARDED TO GR BY GMP

TO BE OSED.

Ecuador

#6: Looking NW from Cuenca at about 4:30 PM, early July 1954.

The river and eucalyptus grove NW of Cuenca, showing the high level river bottom.

(F-4 at 1/50th)

#7 : Looking NW from Cuenca at about 4:30 PM, early July 1954.

The river and eucalyptus grove NW of Cuenca, showing the high level river bottom.

#1-7: Looking NNW from a point about one mile N of Quito; taken at about 11:30 AM, early July 1954.

A mountain stream and valley at about 9,500 feet, on the slopes of the mountain Pichincha / 15,712 feet /. The picture shows the amount of vegetation even at this altitude on the slopes of the volcanic mountains of Ecuador.

#1-19: View from the SW slope of the mountain Chimborazo 20,577 feet]; looking SW at the marker at the highest point on the road between Riobamba and Guaranda.

The picture shows the mountains in the background and how the pacagrass grows at 13 thousand feet, indicating the type of habitat above the tree line in this area.

#3-5: This picture was taken on 9 Jul 54 (F-56 at 1/50th), at about 1:30 PM.

It is a view of the jungle at 3,300 feet, about 5 kilometers SSE of Puyo on the Amazonian slopes of Mapo Pastaza Province. It shows the jungle at the lower levels on the Amazonian side of the mountains.

#3-7: Picture taken on 14 Jul 54 at about 1:30-2:00 PM (F-4 at 1/50th).

It shows the Rio Bobonaza and the shore line, the jungle along the shoreline, the Andean foothills in back; picture looking NW. This locality is at the headwaters of the Rio Bobonaza, about 15 kilometers ESE of Puyo.

#3-8: Picture made 15 Jul 54 (F-4-5.6 at 1/50th) at about 7:30 AM.

Picture shows jungle across the Rio Bobonaza from the high bank looking almost due R to show thickness of jungle and trees with high wide crowns.

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Quevedo in the Province of Los Rios. The road runs directly W to the Rio Grande de Daule. This picture was taken almost at the Rio Grande. The picture is to show the bamboo thickets on the Pacific Coast. Altitude: about 5 the bamboo thickets of the picture taken looking almost due E. It shows a hillside covered with thick bamboo thicket.

#6-10: This is another view of the same bamboo thicket; it is the same locality as picture #6-11 (above).

The next series of shots is concerned with river pictures taken in various parts of the country. All these pictures are general for the most part to show various aspects of the rivers and small streams of the country.

#2 : Rio Guayas -- taken at the city of Guayaquil.

This picture shows the port itself and a broad view of the river and one or two of the islands in the background.

The next series is taken on the Amazonian slopes on the other side of Ecuador from Guayaquil. Almost all of the pictures deal with the Rio Pastaza, the largest stream running from the highlands of Ecuador down through the lowlands and out into the Amazonian jungle. This river is the path taken by many of the early expeditions and travelers going from the highlands of the Andean Mountains to the Amazonian lowlands and down the Amazon River back to the Atlantic Ocean and Europe.

#4-1: Taken from an airplane (F-35 at 1/50th), looking almost due E; airplane at 5 thousand feet; taken 19 Jul 54 at about 9:30 AM.

It shows the river after it has entered the lowlands and broken up into many small meanders, covering a very wide flood plain.

Rio Pastaza at its junction with the Rio Llushin (also taken from an airplane); picture taken looking almost due W.

The Andean foothills are in the background, and the wide meandering stream is very clearly seen. The altitude here, although still about 5 thousand feet in the plane, is slightly higher for the river and, therefore, we have a closer view of the stream itself.

This is a picture of the Rio Upano, directly E of the Sucua, showing the Cordillera Cucutu in the heat small town of Sucua, showing the Cordillera Cucutu in the background. Picture shot looking due E at about noon on 20 Jul 54.

The next few pictures were taken on 23 Jul 54 on a trip from Shell Mera to Ambato on the way back to the city of Quito and while passing up the Rio Pastaza Valley. Note the changes that take place in the river during this trip.

- The Rio Pastaza Valley at about 4 thousand feet. (All of these pictures were shot at F-4 to about F-7 at 1/50th) This picture shows how deep the valley is cut, how steep the slopes of the mountains are alongside the river, and how it is a fairly rapidly flowing stream confined in fairly narrow valley wall.
- higher, showing the river flowing through very rugged chasm walls and showing also the heaviness of the vegetation alongside series of pictures was shot from the body of a truck while it was rolling along, and some of them are quite foggy.
- The Pastaza Valley slightly higher, still about 5 a slightly longer view showing some of the foothers: thousand feet; a slightly longer view showing some of the foothills alongside the river valley.
- The Pastaza Valley This picture shows a broad alluvial fan at the foot of a fairly large mountain and then shows how the Rio Pastaza has cut away the fan; the stream that deposited the fan in the first place now falls over a fairly long waterfall with a long clear drop. The falls are called "The Bride's Veil" by the local people.

-4-

#4-9: The Pastaza Valley - This picture shows the fairly extensive, fairly large falls almost directly E of the town of Baños. These falls are known as the <u>Cascada</u> del Aguyan.

#4-10: The Pastaza Valley - This picture shows the barren slopes E of the city of Baños and the beginning of the rain shadow of the mountains, the area where the heavy vegetation on the sides of the hills goes out, and we begin to get the appearance of the very barren dry slopes in the rain shadow.

#4-11: The Pastaza Valley - View of the river, now W of the city of Baños, at about 6 thousand feet, showing the very strong deep canyon cut through solid rock where the river is a flowing torrent, a very swift moving stream, and very, very dangerous.

#4-12: The Pastaza Valley - A picture of the river shot from the edge of the truck bed on the western bank and slightly W of the city of Banos, showing the steepness of the hillsides from the road itself, which drop off almost directly into the river, a fall of perhaps 2 to 3 hundred feet. This road is very difficult to maintain and requires continuous cutting of new banks and new paths into the side of the mountain.

#4-13: The Pastaza Valley - This picture is taken at the very head of the Rio Pastaza, showing the point of junction of the two streams which give rise to the Pastaza itself. This is the last of the river pictures.

25X1X6

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25X1X6

#3: Picture taken of the city of Guayaquil from the air
looking almost due E, showing the Rio Daule in the background and the
city itself in the foreground. This picture was taken,
about 15 Jun 54.

#20 &
#21: These are both of the city of Babahoyo high up on the
Rio Daule and the point from which the road departs to the highland
through the city of Guaranda to Riobomba. These pictures are both
somewhat out of focus, not so much out of focus as they are overexposed. They show the river steamer and the actual town in the background. They are not particularly good but they do show the city itself.

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#3-4: The main street in Baños, on the road from Ambato to Puyo.

#3-6: Shot of the city of Puyo taken from a half-mile NW of the city.

Picture is taken looking SW and shows the Amazonian lowlands about the time when the very gradual slope to the Amazonian river begins.

#3-13: This picture is included for a certain amount of informative value.

This is a common type of trail seen all over the Amazonian side of the mountains, particularly in the Puyo and Bobonaza regions, where the footpaths are made up of cut logs about two-feet wide and laid along in strips making an entire trail covered by and composed of logs. It is very difficult to walk along and completely impossible after horses have passed over it and after rain, when it gets to be quite mushy and the depths of the noles on either side of the logs are extremely hazardous.

#3-16: This is a shot of the main drag of the city of Puyo on the Amazonian slopes in the Province of Napo Pastaza. This city is now becoming fairly important; where it had been a very small place before, it is now growing quite rapidly because it is the focal point for several of the new highways that are being constructed into the interior of the Amazonian lowlands.

#4-21: View of the city of Quito from the air taken fairly early in the morning.

25X1X6 The shot is looking to the east account the from the airport, which is to the NE of the city.

25X1X6

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- 6 -

1. Patalogue

The third set of pictures to be described was taken primarily of topographic subjects, including most of the high mountains throughout the entire country. Most of these were taken from the air; some were taken from buses; and some were taken along the road.

Shot was taken from an airplane on a flight from Guayaquil to Cuenca. Picture was shot about 10 AM; plane was flying due E; the shot was directly N.

View shows mountains and deep valley, a small path leading up over a mountain ridge. Picture was taken about 15 minutes W of Cuenca.

- #18: A view from the S of Puglyia (2) Mountain, which is located on the road from Cuenca to Loja, a short distance S of the small town of Caraguro. This picture was taken about 3:00 PM on a fairly clear day and shows the S and SW slopes of this fairly low mountain.

 Saraguro ?
- #20: Picture shows the mountains E of the city of Loja and is a particularly good representation of the kind of terrain that surrounds this imland city. The picture was shot from an altitude of about 6 thousand feet, and the mountains in the surrounding area run up to 9 and 10 thousand feet. Picture is taken a short distance, about a mile SE of the city of Loja, from the slopes and from the actual highway that runs from Loja to Zamora, and looks almost directly E. Picture was taken about 10:00 AM on 2 Aug 54.
- #1-8: This is a view of the Quito Valley and in the exact center in the background is the mountain Cotopaxi [19,344 feet]. It shows the cultivated slopes, a long view across the entire Quito Valley, and a shot of Cotopaxi in the distance. This picture was taken from the slopes of the mountain Pichincha. Picture was taken about 1:00 PM on 8 Jun 54 (F-5.6 at 1/50th). The direction of the shot: almost due S.

25X1X6

#1-15: This is a view of the mountain Chimborazo $\sqrt{20,577}$ feet $\sqrt{1}$ taken on 15 Jun 54 at 7:00 AM. The sun is shining on it directly from the E. Manuar almost due S of it, a little bit E of S, and the picture is taken looking due NW. (Shot taken at F-5.6 at 1/50th.) Picture is taken standing on a street in the city of Riobomba and looking NW at the Volcano. This is the highest mountain in the Andean chain.

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- 7 -

#1-16:

#1-17: These are additional views of Chimborazo. No. 1-16 is from a little closer (F-5.6 at 1/25th); No. 1-17 is still closer. All directions are about the same as picture No. 1-15. (No. 1-17 is at F-4 at 1/50th and slightly later in the morning.) Picture No. 1-17 shows a good view of the roadbed of the road that runs between Riobomba and Guaranda.

#1-18: A picture of El Altar, shooting from the W almost directly E on 15 Jun 54. These mountains are to the E of the city of Riobomba on the E Andean slopes of the Riobomba Valley. This is a fairly long shot and shows quite a bit of the high Andean Valley between the E and W ranges in the Valley of the Riobomba.

#3-2: This is a picture of the Volcano Illiniza (?), shot on 7 Jul 54. It was taken from the highway looking almost due SW at about 7:00 AM, which is the only time it is possible to get pictures of mountains in Ecuador or in any of the highland areas because of the heavy cloud cover that comes in very early in the morning. You have to get up early in the morning to see mountains in Ecuador. (Shot at F-4 at 1/50th.)

#3-3: Picture of the slopes of Mount Tungurahua (?) taken from the main street of the city of Baños on 7 Jul 54. Shot is looking SW at about 3:30 PM and includes a portion of the church that was wrecked by an earlier earthquake in the city of Baños.

#3-14: This is a shot of the Cerro de Caveceras, looking almost due W from the Cerro on the E (F-5.6 to 8 at 1/50th). Picture taken on 16 Jul 54 at about 10:30 AM. This area is about 15 kilometers straight E of Puyo in the Napo Pastaza Province.

#3-18: Shot of the Andean foothills taken from the frontyard of the home of the Aviation Missionary hovel at Shell Mera in Napo Pastaza Province. This shot shows part of the airstrip at Shell Mera and the foothills in the far background. Picture was shot at 8:00 AM on, I believe, 18 Jul 54.

#6-6: This picture was taken from the highway between Loja and the city of Catamayo, looking down the valley of, I believe, Rio Catamayo or one of its main tributaries, looking directly S from the highway at about 6500 or 7000 feet. Picture was taken shortly after noon, showing the extreme ruggedness of the mountains in this area.

-8-

The next series of shots are miscellaneous topographic studies of different parts of the country. Some of them are air shots; some of them shots from across mountains, etc. These are scattered shots from many different parts of the country and are best organized as a series of topographic shots.

25X1X6 25X1X6 or 1:00 PM. Air view of Cuenca taken on 1 Aug 54 at about 12:30 or 1:00 PM. the picture is taken from the E side of the city looking W,

#8: Shot taken on 1 Aug 54; a second air view of the Cuenca Valley; again direction is uncertain.

#10: Both pictures taken on 2 Aug 54. They were shot from a bus on the road between the cities of Cuenca and Loja. Both are views of the mountainsides, mountain slopes, as seen from the road. For the most part these pictures are views to the E from the road made during the morning.

25X1X6

The next three pictures were all taken about 12:30 PM on 2 Aug
25X1X654 during the trip from Cuenca to Loja and were made at a town, the
name of which was given as Susudel, which control on the map
only apparently as Seurcel, probably the same place.

of the eating place on the road between Cuenca and Loja. It is the first stop

quite deep and thoroughly dug out by a large river. Picture shows the river valley and the slopes on the W side of this deep valley.

#12: Another view of the same valley that is shown in #11 described above.

#13: Another view toward the W from the small restaurant at which the bus stopped, showing a large butte to the W on the mountain chain which runs from H to S.

- #14: Picture taken some time after those taken at Susudel. It is a picture of a mountain just a short distance to the N of Saroguro on the same highway. Picture was taken from a bus and looking about SE.
- #1-5: Air view of Quito Valley shot from the E side of the city, looking across the Valley of the Rio Machangara, with the mountains in the background and the heavily cultivated valley in the center of the picture, which was shot about 4:00 PM on 3 Jun 54.
- #1-13: This is the Valley of the Rio Machangara from a hill slightly bove the city of Quito; picture taken on 10 Jul 54. River is at bottom of canyon. Slopes show the very dry vegetation which is common here. Eucalyptus groves are on the left-hand side. (F-4 at 1/50th.)
- #1-9: Picture of waterfall and slopes of Chincha near a saddle in the mountain in SE portion short distance WMW of Quito.
- #1-10: View of the foot of the falls shown in #1-9 on the slopes of the mountain Pichincha, NW of Quito, looking almost due NW.
- #1-11: Picture of slopes of Pichincha taken from hill to SE of Quite, which also shows in the lower part of the picture.
- #1-12: Pancramic view to go along with #1-11 (above). Also a view of Quito and Pichincha, showing the same slopes somewhat farther to the NW. The two pictures can be fitted together.

Next couple of shots are to show the types of transportation available in Ecuador;

- #6-4: This shows one of the "mixto" types of trucks, showing how the body of the truck is reconstructed in order to furnish room for passengers, as well as retaining a complete truck-bed type. It is very common in Ecuador and is found in all parts of the country.
- #6-5: Shot of local buses which are also reconstructed much the same way as the trucks and quite often done on truck body but the entire chassis is given over to bus service. Picture taken on the Loja-Santa Rosa road about 6 Aug 54.

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One or two pictures show road conditions in Ecuador:

#4-8: Shot of point at which the road from Baños to Puye fords the Rio Megro. Picture slightly out of focus because it was taken from the back of a moving truck. It shows how the river flows directly across the road and the truck has to go across the ford.

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#6-9: Picture of the road from Quevedo to the Rio Daule. It shows a luncheon group with Colonel Roberto Levi-Castillo of the Ecuadorean Army. The picture was taken about 11 Aug 54 and shows the road which is now under construction along that route.

- end -

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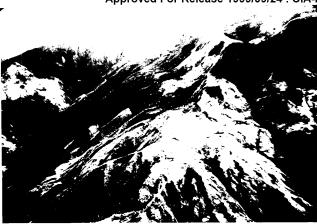




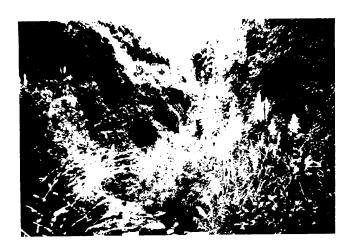




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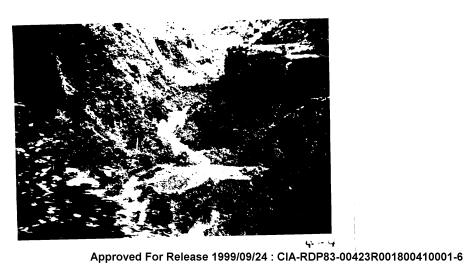
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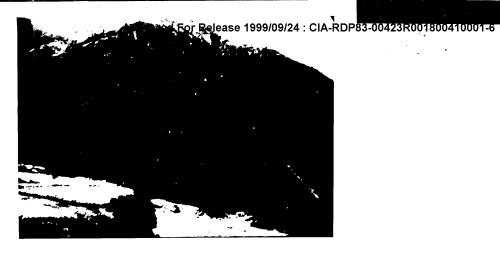


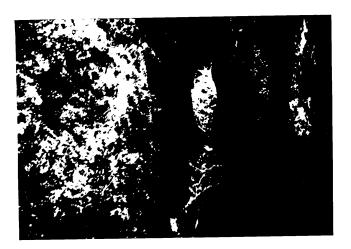


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ECUADOR LOJA APPROVED FOR Release 1999/09/24: CIA-RDP83-00423R001800410001-6
PUGLAIA MT. FROM THE SOUTH ON THE CUENCA-LOJA ROAD, SOUTH OF TOWN.

JULY 1954. OFFICIAL USE ONLY

CIA 178934

CIA 178934



ECUADOR PICHINCHA ILINIZA VOLCANO OO 40 S 78 42 W LOOKING SOUTHWEST FROM HIGHWAY. JULY 1954. OFFICIAL USE ONLY

CIA 178935



ECUADOR AZUAY MOUNTAIN SLOPES FROM CUENCA-LOJA ROAD, LOOKING EAST. AUGUST 1954. OFFICIAL USE ONLY CIA 1789**3**6



ECUADOR AZUAY CUENCA VALLEY. AUGUST 1954. OFFICIAL USE ONLY CIA 178937



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ECUADOR LOJA SARAGURO (NR) 03 39 \$ 79 15 W

MOUNTAIN NORTH OF TOWN FROM CUENCA-LOJA ROAD, LOOKING ABOUT

SOUTHEAST. AUGUST 1954. OFFICIAL USE ONLY

CIA 178938



ECUADOR AZUAY CUENCA 02 54 N 78 59 W AUGUST 1954. OFFICIAL USE ONLY

CIA 178939



ECUADOR AZUAY CUENCA (NR) 02 54 S 78 59 W EUCALYPTUS GROVE AND RIVER LOOKING NORTHWEST. JULY 1954.



ECUADOR TUNGURAHUA BANOS OI 25 S 78 25 W
SLOPES OF MT. TUNGURAHUA, LOOKING SOUTHWEST. CHURCH WRECKED BY
EARTHQUAKE. JULY 1954. OFFICIAL USE ONLY CIA 178941



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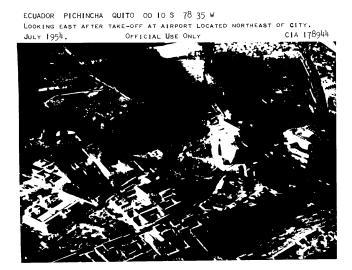
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ECUADOR GUAYAS GUAYAQUIL 02 10 S 79 53 W RIO DAULE, LOOKING EAST. JUNE 1954. OFFICIAL USE ONLY CIA 178946



ECUADOR LOS RIOS QUEVDO-RIO DAULE ROAD OI 05 S 79 30 W BAMBOO THICKETS ON HILLSIDE NEAR RIVER, LOOKING EAST, ALTITUDE CIA 178947 OFFICIAL USE ONLY 500 гт. Augu**s**т 1954.



ECUADOR
"MIXTO" TYPE OF TRUCK WITH RECONSTRUCTED BODY TO FURNISH ROOM FOR PASSENGERS AS WELL AS COMPLETE TRUCK-BED. COMMON ECUADOR. CIA 178948 OFFICIAL USE ONLY



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ECUADOR LOS RIOS QUEVEDO-RIO DAULE ROAD UNDER CONSTRUCTION. AUGUST 1954.



ECUADOR AZUAY SEURCEL 03 30 S 79 19 W
DRY VALLEY TO EAST OF CUENCA-LOJA ROAD. AUGUST 1954. OFFICIAL USE ONLY

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ECUADOR PICHINCHA QUITO 00 10 S 78 35 W

SLOPES OF PICHINCHA FROM HILL SOUTHEAST OF CITY. SEE CIA 178953.

CIA 178952 OFFICIAL USE ONLY July 1954.



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ECUADOR PICHINARPEOMED & OF Release 1999/09/24: CIA-RDP83-00423 R001800410001-6



ECUADOR PICHINCHA QUITO (NR) OO IO S 78 35 W RIO MACHANGARA VALLEY FROM HILL ABOVE CITY. JULY 1954. OFFICIAL USE ONLY

CIA 178954



ECUADOR NAPO PASTAZA SHELL MERA OI 30 S 78 04 W AIRSTRIP FROM AVIATION MISSIONARY HOVEL. ANDEAN FOOTHILLS IN CIA 178955 DISTANCE. JULY 1954. OFFICIAL USE ONLY



ECUADOR LOJA Mountains from Loja-Catamayo road looking south at about 6500-7000 OFFICIAL USE ONLY FEET. AUGUST 1954.



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ECUADOR CHIMBORAZO

RIOBOMBA VALLEY. EL ALTAR IN EXTREME DISTANCE. LOOKING EAST. CIA 178957 OFFICIAL USE ONLY



ECUADOR CHIMBORAZO

RIOBOMBA-GUARANDA ROAD, LOOKING NORTHWEST TOWARD CHIMBORAZO. OFFICIAL USE ONLY



ECUADOR NAPO-PASTAZA

PASTAZA VALLEY. ALLUVIAL FAN AT FOOT OF MOUNTAIN. "THE BRIDE'S VEIL" WATERFALL. JULY 1954. OFFICIAL USE ONLY CIA 17 CIA 178959



ECUADOR CHIMBORAZO CHIMBORAZO MT. APPROX. 01 28 S 78 50 W PACA GRASS ON SOUTHWEST SLOPE ALTITUDE 13000 FEET; HIGHEST POINT ON RIO BAMBA-GUARANDA ROAD, LOOKING SOUTHWEST. JULY 1954. CIA 178960 OFFICIAL USE ONLY



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ECUADOR SANTIAGO-ZAMORA
RIO PASTAZA AT CONFLUENCE WITH RIO LLUSHIN, LOOKING WEST. JULY 1951
OFFICIAL USE ONLY
CIA 1789

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ECUADOR NAPO-PASTAZA

RIO BOBONAZA HEADWATERS 15 KM. EAST-SOUTHEAST OF PUVO-ANDEAN FOOTHILLS, LOOKING NORTHWEST. JULY 1954.

CIA 178962

OFFICIAL USE ONLY

ECUADOR NAPO-PASTAZA PUYO (NR) 01 30 S 77 59 W AMAZON]AN LOWLANDS LOOKING SOUTHWEST FROM POINT HALF MILE NORTHWEST OF CITY. JULY 1954. OFFICIAL USE ONLY CIA 178963



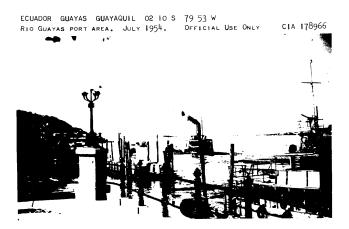
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ECUADOR LOS RIOS BABAHOYO OI 48 S 79 30 W
RIO GUAYAS PORT AREA. JULY 1954. OFFICIAL USE ONLY CIA 178965





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